CCEE ANNUAL UPDATE 2009 - 2010

IOWA STATE UNIVERSITY
Department of Civil, Construction and Environmental Engineering

Annual Report for the 2009-2010 academic year.
In Loving Memory of Travis “T.J.” Good

Faculty, staff and students in ISU’s College of Engineering and the Department of Civil, Construction and Environmental Engineering mourned the loss of civil engineering senior Travis “T.J.” Good, who died unexpectedly on April 13. Initial lab tests at the hospital indicate the probable cause of death was bacterial meningitis.

Travis, 22-years-old, was scheduled to graduate in May 2010. Travis was known for his wonderfully kind spirit, loving personality and remarkable sense of humor. He touched the lives of many people throughout the university, the college and the department and he will be greatly missed.

He is survived by parents, Larry B. and Shirley M. Good; brother, Brandon Good; grandparents, LeRoy and Ida Mehlmann; aunts and uncles, Corinne and Jim Beals, Lavonne Krauth, Keith and Phyllis Mehlmann, Phyllis and Kent Berry, Sharlotte and Steve Michel, Barb Wall, Mary Mornin, and Kathy and Denny Esch; cousins and many friends.

Memorials may be given to the Travis Good Scholarship Fund.

CHAIR GREETING

Welcome to CCEE’s latest Annual Report...which highlights our faculty, staff, student, and even building accomplishments in 2009-2010! This year was memorable to say the least, on levels extending far beyond our academic norm. Winter, for example, started early and set multiple records for snowfall, low temperatures...and, yes, overall misery. Budgets were also a non-stop concern given our depressed State and national economies, and the fact that our College of Engineering launched a ‘Good, Bad, and Ugly’ budget scenario planning committee offered a telling demonstration of our general mood. At least on this account, though, the news has not been entirely dire, and as we approach the end of our fiscal year we’d have to admit that these numbers are looking better than had been originally expected. Having weathered dire blizzards and budgets, however, the latest twist to hit Iowa State involves our Big-12 conference and what appears likely to be acute changes in the future of our athletics programs. Here again we’ll surely work our way through even this latest challenge, knowing full well that we deliver an All-American quality of civil, construction, and environmental engineering education irrespective to what conference affiliation we may claim.

There had also been concerns that our country’s fiscal downturn, and related construction drop, might impact enrollments and job placement, but here again things have been more positive than might have been expected. Having reached the highest undergraduate enrollment our department has ever experienced since we started classes in 1888, it now seems quite likely that next year’s numbers will be going up even further. Indeed, compared to last year, our percentage of accepting freshman has actually gone up by an astounding 16%. Granted, finding jobs for our graduating students has become more challenging, but rest assured that our grads are still finding jobs (see latest figures on pg. 5). As has always been the case, ISU’s name recognition still carries high value in terms of employer confidence when considering who they hire.

Rest assured, therefore, that there is good news to be found within this report! Our faculty are doing extremely well in terms of campus, regional, and even national award recognition, and our students have had yet another banner year in terms of their accomplishments. We completed another two large-scale renovations, both financed entirely by external sponsors (i.e., including our new Burns & McDonnell Classroom for Engineering Excellence, as well as our Undergraduate Materials Laboratory funded by multiple industry stakeholders in both concrete and asphalt areas). By the end of this summer we’ll also be completing our 13th renovation in just the past five years, when we open the doors on our new Jellinger Laboratory that will be used by all of our senior capstone students.

In closing, my door is always open to greet any alum or departmental friend who’d like to hear and see a first-person account of our success. We’re justifiably proud of the outstanding education we deliver, and assuredly appreciate the support of alums and stakeholders who are equally committed to our success!

Best regards,

James E. Alleman
Professor and Chair

MISSION

• To educate our graduates with an appropriate body of knowledge, skills, abilities, and attitudes,

• To provide our graduates with a learning environment which promotes intellectual, social, and ethical development, and

• To create and communicate state-of-the-art engineering concepts and technologies

VISION

To educate the next generation of leaders within our civil, construction and environmental engineering fields... and to develop and disseminate cutting-edge engineering concepts and technologies within our discipline.
CCEE DEPARTMENT 2009 - 2010 HIGHLIGHTS

CCEE Ranked in the Top 20 for US News and World Report

Our CCEE department was ranked in the Top 20 for US News and World Report Undergraduate 2009 Rankings for national universities with the best Civil Engineering programs that offer a doctoral degree in engineering. Of 162 national programs, this places us in the top 12% level!

CCEE Professor Hans van Leeuwen Named R&D Magazine's 2009 Innovator of the Year

CCEE’s Hans van Leeuwen, who has led research teams awarded back-to-back R&D 100 awards for biofuels developments, was named R&D Magazine’s 2009 Innovator of the Year. Van Leeuwen’s research focus is to use microscopic fungi to improve the production of biofuels and for other innovations to protect the environment and improve water quality.

“I do appreciate that by presenting this award, R&D Magazine is recognizing the importance of the environment and finding ways to create new products from wastes and ultimately feed a hungry Third World,” van Leeuwen said.

A big “Congratulations!” to Hans.

Photo credit to Bob Elbert.

In November 2009, over 40 employees from Burns & McDonnell pitched together and donated funds to provide a newly renovated classroom for Town Engineering students. A dedication ceremony was held with opening remarks given by CCEE professor Sri Sritharan and a short speech from the College of Engineering dean, Jonathan Wickert. The CCEE faculty, students and staff are all very grateful to the Burns & McDonnell employees for their generosity and appreciation of learning.

The technology and size now make Room 322 in Town Engineering a coveted location for faculty to teach, as well as students to learn. For Spring 2010, there are already six classes being taught, with little time where the classroom is not being used.

Initiated by a gift of $100,000 from Denver-area alumni who wanted to honor Construc program founder, Mr. Tom Jellinger and his late wife, Ro, the Department of Civil, Construction, and Environmental Engineering is taking steps to raise funds to enhance the Construction Engineering program with the goal of creating the “Tom and Ro Jellinger Laboratory.”

If the goals for the “Jellinger Lab” are met, this laboratory will benefit undergraduate students and industry by providing virtual site tours, BIM modeling, and a central and flexible learning environment for the senior-level design course. The Jellingers will also be honored at the 50th anniversary celebration of the Construction Engineering Program September 23-25, 2010.

DEPARTMENT STATISTICS

Department Statistics

In November 2009, over 40 employees from Burns & McDonnell pitched together and donated funds to provide a newly renovated classroom for Town Engineering students. A dedication ceremony was held with opening remarks given by CCEE professor Sri Sritharan and a short speech from the College of Engineering dean, Jonathan Wickert. The CCEE faculty, students and staff are all very grateful to the Burns & McDonnell employees for their generosity and appreciation of learning.

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ABOVE TABLES: Our undergraduate student enrollment is at an all-time high and includes a female population of nearly 16%. Our graduate student enrollment continues to climb albeit at a slow pace.

Our number of undergraduate degrees awarded is steady for ConE and continues to rise to CE.

The number of female undergraduate degrees awarded continues to stay solid.

The number of graduate degrees remains steady.

In 2009, 180 BS degrees were awarded. Graduate degrees awarded included 25 Master’s and 12 doctorate degrees.

POINT OF PRIDE: The placement percentage of our undergraduate students is a big point of pride for the CCEE department. At only 6 months after graduation, we are nearly at 100% placement.
2009 - 2010 DEPARTMENT AWARDS AND HONORS

Iowa State University, in conjunction with Snyder and Associates received the Public – Private Partnership Award from the Ankeny Economic Development Corporation. Pictured: Accepting the award for Iowa State was Marlee Walton, CCEE senior lecturer and president of the Iowa Section of the American Society of Civil engineers.

CCEE Professor Hans van Leeuwen received the 2009 R&D Magazine’s Innovator of the Year award after he led his team to back-to-back R&D 100 awards for biofuels developments. SEE PAGE 3 to read more. For the year, van Leeuwen also won Grand Prize for University Research from the Academy of Environmental Engineers, the Collaboration Excellence award from the Dean of Mersin University in Turkey and the ISU award for Outstanding Achievement in Research.

CCEE Professor Ed Kannel was the 2009 recipient of the Patrick T. McCoy Transportation Education Professional of the Year Award from the Missouri Valley Section of the Institute of Transportation Engineers (MOVITE). For the year, Kannel also received the ISU Award for Academic Advising Impact.

Assistant Professor Jennifer Shane received the CCEE Charles W. Schafer award for Excellence in Teaching in Research and Service.

Professor Fouad Fanous received the CCEE Joseph C. and Elizabeth A. Anderlik Teaching Award.

Associate Professor Chris Rehmann received an Outstanding Reviewer award for the Journal of Hydrologic Engineering.

The ISU National Association of Home Builders (NAHB) Student Chapter was awarded the Shining Star Award for their work with the Ames Home Builders Association Women’s Council and their help with ACCESS – Assault Care Center Extending Shelter & Support. Members of the organization helped with a bathroom remodel along with other projects in the community. Pictured: Scott Hoskins, ConE senior (left) and Cole Van Ryswyk, ConE sophomore present the heavy-civil proposal.

As a junior in Civil Engineering, CCEE student Bo Wang, was selected to receive a 2009 Intelligent Transportation Systems (ITS) Minnesota Undergraduate Scholarship. And as a senior, Wang was one of the five winners of the 2009 International Road Federation (IRF) annual student essay competition.

Four CCEE/SU teams all placed first in the 17th Annual Associated Schools of Construction (ASC) Region IV Student Competition in Nebraska City, Nebraska. This was the first sweep ever of all four divisions (commercial, design-build, heavy-civil, and residential) by one university. Pictured: Scott Hoskins, ConE senior (left) and Cole Van Ryswyk, ConE sophomore present the heavy-civil proposal.

The ISU Associated General Contractors (AGC) Student Chapter was awarded the Outstanding Chapter Award for their work with the Ames Home Builders Association Women’s Council and their help with ACCESS – Assault Care Center Extending Shelter & Support. Members of the organization helped with a bathroom remodel along with other projects in the community. Pictured: Dave Warning, center, ISU Chapter president, was presented the award by Lori Miner, 2009 Women’s Council President.

CCEE Professor Max Porter received the Dennis Tweksbury award from the Structural Engineering Institute. For the year, Porter was also an Honored Member in Premier International Registry of Outstanding Professionals and Madison’s Who’s Who, as well as a Featured Member and Professional of the Year in Civil Engineering Education in Strathmore’s Who’s Who.

CCEE Professor Sri Sridharan was named a Fellow for the American Concrete Institute.

CCEE Senior Lecturer Larry Cormicle was among those that were recognized as an outstanding adviser for his work with the ISU Associated General Contractors Student Chapter. He received his award at the Engineering Student Council 10th annual Engineering Student Leadership Banquet on February 8, 2010.
FACULTY - CONSTRUCTION ENGINEERING DIVISION

Edward J. Jaselskis, ConE Professor-in-Charge, W. A. Klinger Teaching Professor in Civil Engineering
PhD, 1988, Civil Eng. (ConE), Univ. of Texas at Austin
MS, 1982, Civil Eng. (ConE), Massachusetts Inst. of Technology
BS, 1980, General Eng., Univ. of Illinois at Urbana-Champaign

Charles T. Jahren, Associate Professor, Warren Scholar of Distance Education in Civil Engineering
PhD, 1987, Purdue Univ.
MBA, 1982, Univ. of Minnesota
BSCE, 1977, Univ. of Minnesota

Jennifer Shane, Assistant Professor
PhD, 2006, Civil Eng., Con. Eng. and Management, Univ. of Colorado
MS, 2003, Civil Eng., Con. Eng. and Management, Univ. of Colorado
BS, 2000, Civil Eng., Colorado School of Mines

Kelly C. Strong, Associate Professor
PhD, 1992, Strategy & Org. Mgt., Univ. of Colorado
MBA, 1988, Management, Univ. of St. Thomas
BS, 1980, Civil Eng., Iowa State Univ.

LECTURERS

Jenny Baker, Lecturer
MS, 2001, Construction Eng., Kansas State Univ.

Larry W. Cormicle, Senior Lecturer
Glen H. DeStigter Scholar in Construction Engineering
BS, 1978, Construction Eng., Iowa State Univ.

Beth Hartman, Lecturer
MS, 1996, Civil Eng. with specialization in ConE & Mgmt, Iowa State Univ.
BS, 1989, Architecture, Iowa State Univ.

Brad Perkins, Lecturer
BS, 1997, Construction Eng., Iowa State Univ.

David Harmelink, Lecturer
PhD, 1996, Civil Eng., Iowa State Univ.
MS, 1990, Civil Eng., Iowa State Univ.
BS, 1988, Construction Eng., Iowa State Univ.

VISITING PROFESSORS AND SUPPORT STAFF

Satya Kaladindi, Visiting Professor
PhD, 1991, Civil Eng., Clemson Univ.
MS, 1986, Civil Eng., Clemson Univ.
B.Tech Civil Eng. 1984, Indian Institute of Technology Madras

Denise Wood, Secretary, Construction

FACULTY - ENVIRONMENTAL - WATER RESOURCES DIVISION

James E. Alleman, Department Chair and Professor
PhD, 1978, Civil Eng., Univ. of Notre Dame
MS, 1972, Civil Eng., Univ. of Notre Dame
BS, 1971, Civil Eng., Univ. of Notre Dame

Say-Kee Ong, Professor and Division Leader
PhD, 1990, Environmental Eng., Cornell Univ.
B.Eng., 1980, Mechanical Eng., Univ. of Malaya

Timothy G. Ellis, Assistant Chair and Associate Professor
PhD, 1996, Environmental Eng., Clemson Univ.
MS, 1988, Civil Eng., Environmental Eng., Georgia Institute of Technology
BS, 1984, Civil Eng., Drexel Univ.

Roy Gu, Associate Professor
PhD, 1991, Civil Eng., Univ. of Minnesota
MS, 1987, Civil Eng., Univ. of Minnesota
BS, 1982, Civil Eng., Wuhan Univ., China

Chris R. Rehmann, Associate Professor
PhD, 1994, Environmental Eng., Iowa State Univ.
MS, 1988, Environmental Eng., Auburn Univ.
BS, 1983, Civil Eng., Tam Kang Univ., Taiwan, China

Hans van Leeuwen, Professor
Doctor of Engineering, 1988, Univ. of Pretoria, South Africa
MS, 1979, Engineering - Water Utilization, Univ. of Pretoria, South Africa
BS, 1975, Chemical Eng., Univ. of Pretoria, South Africa

SUPPORT STAFF

Stephen Jones, Ext. Civil Engineer
Donna Lutz, Assistant Scientist
Dave Schoeller, Assistant Scientist
Ben Noack, Assistant Scientist

Jim Gaunt, Manager, Engr. Research Lab
Chris Steffen, Research Associate (resigned Dec. 2009)
FACULTY - GEOTECHNICAL - MATERIALS DIVISION

Kajin Wang, Associate Professor and Division Leader
PhD, 1994, Civil Eng., Univ. of California Berkeley
MS, 1985, Civil Eng., Chinese Acad. of Sciences, Beijing, China
BS, 1982, Civil Eng., Hefei Univ. of Technology, Hefei, China

Jeremy C. Ashlock, Associate Professor
PhD, 2004, Civil Eng., Univ. of Colorado at Boulder
MS, 2000, Civil Eng., Univ. of Colorado at Boulder
BS, 1997, Civil Eng., Univ. of Colorado at Boulder

Rangan Gopalakrishnan, Clinician
PhD, 2004, Civil Eng., Univ. of Illinois at Urbana-Champaign
MS, 1999, Civil Eng., Louisiana State Univ.
BE, 1997, Civil Eng., Birla Inst. of Technology & Science, Pilani, India

FACULTY - STRUCTURES DIVISION

Terry J. Wipf, Professor and Division Leader,
Pitt-Des Moines, Inc. Professor in Civil Engineering
PhD, 1983, Mechanics and Energetics, Univ. of Nebraska-Lincoln
MS, 1979, Civil Eng., Univ. of Nebraska-Lincoln
BS, 1974, Civil Eng., Univ. of Nebraska-Lincoln

Sri Sritharan, Associate Chair and Professor,
Wilson Engineering Professor
PhD, 1998, Structural Eng., Univ. of California-San Diego
ME, 1989, Civil Eng., Univ. of Auckland, New Zealand
BS, 1985, Civil Eng., Univ. of Peradeniya, Sri Lanka

Robert E. Abendroth, Associate Professor
PhD, 1983, Civil Eng. - Structures, Univ. of Wisconsin-Madison
MS, 1981, Civil Eng. - Structures, Univ. of Wisconsin-Madison
BS, 1976, Civil Eng., Univ. of Wisconsin-Madison

Fouad S. Fanous, Professor
PhD, 1982, Structural Eng., Iowa State Univ.
MS, 1980, Structural Eng., Iowa State Univ.
BS, 1969, Civil Engineering/Structural, Cairo Univ., Giza, Egypt

Max L. Porter, Professor
PhD, 1974, Structural Eng., Iowa State Univ.
MS, 1968, Structural Eng., Iowa State Univ.
BS, 1965, Civil Eng., Iowa State Univ.

Matt Rouse, Assistant Professor
PhD, 2004, Civil Eng. (Structures), Cornell Univ.
ME, 1995, Civil Eng. (Structures), Cornell Univ.
BS, 1994, Civil Eng., Iowa State Univ.

Mardith A. Baenziger, Associate Professor
PhD, 1986, Civil Eng. - Purdue Univ.
MS, 1993, Civil Eng. - Purdue Univ.
BS, 1991, Civil Eng. - Univ. of Vermont

LECTURERS

Dean Bierwagon, Lecturer
MS, 2001, Structural Eng., Iowa State Univ.
BS, 1982, Civil Eng., South Dakota School of Mines & Tech
BARCE, 1968, Iowa State Univ.

Stuart Nielsen, Lecturer
MS, 2004, Environmental Eng., Iowa State Univ.
BS, 1994, Civil Eng., Iowa State Univ.

SUPPORT STAFF

Heath Gieselman, Assistant Scientist

Doug Wood, Assistant Scientist

FACULTY - GEOTECHNICAL - MATERIALS DIVISION

R. Christopher Williams, Associate Professor
PhD, 1996, Civil Eng. - Purdue Univ.
MS, 1993, Civil Eng. - Purdue Univ.
BS, 1991, Civil Eng. - Univ. of Vermont

Lecturers

Mardith A. Baenziger, Associate Professor
PhD, 1986, Civil Eng. - Purdue Univ.
MS, 1993, Civil Eng. - Purdue Univ.
BS, 1991, Civil Eng. - Univ. of Vermont

Support Staff

Donald Davidson, Lab Mech Tech
FACULTY - TRANSPORTATION/SURVEYING DIVISION

Reginald Souleyrette, Professor and Division Leader, Gerald and Audrey Olson Professor of Civil Engineering
PhD, 1989, Civil Eng. - Transportation, Univ. of California-Berkeley
MS, 1986, Civil Eng. - Transportation, Univ. of Texas-Austin
BS, 1984, Civil Eng., Univ. of Texas-Austin

Nadia Gkritza, Assistant Professor
PhD, 2006, Civil Eng., Purdue Univ.
MS, 2003, Civil Eng., Virginia Polytechnic Institute & State Univ.
Diploma CE, 2001, National Technical Univ. of Athens, Greece

Shauna Hallmark, Associate Professor
PhD, 1999, Civil Eng., Georgia Institute of Technology
MS, 1996, Civil Eng., Utah State Univ.
BS, 1991, Civil Eng., Brigham Young Univ.

Edward J. Kannel, Professor
PhD, 1972, Transportation Eng., Purdue Univ.
MS, 1967, Civil Eng., Univ. of Wisconsin-Madison
BS, 1966, Civil Eng., Univ. of Wisconsin-Madison

LECTURERS

Tom Stout, Lecturer
PhD, 2005, Civil Eng., Iowa State Univ.
MS, 1992, Civil Eng., Univ. of Nebraska-Lincoln
BS, 1971, Civil Eng., Sacramento State College

LaDon Jones, Senior Lecturer
PhD, 1986, Civil Eng., UCLA
MS, 1984, Civil Eng., UCLA

Marlee Walton, Senior Lecturer
MS, 1991, Civil Eng., Iowa State Univ.
BS, 1984, Civil Eng., Iowa State Univ.

NON-DIVISIONAL LECTURERS

Support Faculty

Jerry Amenson, Lecturer/Manager, AA, 1968, Materials Analysis Research Laboratory
Jake Bigelow, Lecturer, adjunct appointment, CTRE P&S employee
E. Thomas Cackler, Lecturer, BS, Iowa State, Civil Engineering
James A. Gaunt, Lecturer/Manager, MS, Iowa State, 1971, Analytical Services Laboratory/EEWR Laboratory
James D. Grove, Lecturer, MS, Iowa State, 1978, Transportation
Neal R. Hawkins, Lecturer, MS, Iowa State, 1990, Transportation
Travis Hosteng, Lecturer, adjunct appointment, CTRE P&S employee
Manoj K. Jha, Adjunct Assistant Professor
Brent M. Phares, Adjunct Assistant Professor, PhD, Iowa State, 1998, Structures
David Plazak, Adjunct Assistant Professor/Scientist, MA, University of Iowa, 1979, Urban and Regional Planning
Scott M. Schlborholtz, Associate Scientist/Adjunct Assistant Professor, PhD, Iowa State, 1990, Materials Analysis Research Laboratory
Omar Smadi, Adjunct Assistant Professor, PhD, Iowa State University, 2000, Civil Engineering
Duane E. Smith, Adjunct Assistant Professor, MS, Iowa State, 1980, Transportation
Peter Taylor, Adjunct Assistant Professor

Courtesies and Collaborating Faculty

Alok Bhandari, Courtesy Associate Professor, PhD, Virginia Tech, 1995, Civil Engineering
Linda Ng Boyle, E.I.T. (WA), Assistant Professor, PhD, University of Washington, 1998, Mechanical and Industrial Engineering
David Grewell, Courtesy Assistant Professor, PhD, Ohio State University, 2005, Industrial, Welding and Systems Engineering
Samir Khanal, PE. (IA), Collaborator Assistant Professor, PhD, Hong Kong University of Science and Technology, 2002, Environmental engineering
Jacek Koziel, Courtesy Associate Professor, PhD, University of Texas at Austin, 1998, Civil Engineering
Havva Duygu Ozsoy, Collaborator Assistant Professor, PhD, Mersin (Turkey), Environmental Engineering
Partha Sarkar, Courtesy Professor
Michelle Soupir, Courtesy Assistant Professor
Rao Surampalli, PE. (IA), Professor, PhD, Iowa State, 1985, Environmental engineering
EMERITUS AND RETIRED FACULTY

Kenneth A. Brewer, Professor Emeritus, Transportation engineering, 1969-2001
James K. Cable, Emeritus Associate Professor, Transportation and Geotechnical engineering, 1985-2007
Robert L. Carstens, Professor Emeritus, Transportation engineering, 1973-1986
John L. Cleasby, PE., Distinguished Professor Emeritus, Environmental engineering, 1954-1993
Gerald W. Chase, Associate Professor Emeritus, Construction engineering and management, 1977-1997
Kenneth F. Dunker, P.E. and Registered Architect, Associate Professor, Structural engineering, 1979-1999
Lowell F. Greimann, Professor Emeritus, Structural engineering, 1973-2005
Richard L. Handy, Distinguished Professor Emeritus, Geotechnical engineering, 1956-1991
Rolland Hardy, Professor Emeritus, Surveying engineering, 1966-1992
Thomas C. Jellinger, Professor Emeritus, Construction engineering, 1960-1981
Kandiah Jayapalan, Emeritus Professor, Surveying/Geodesy and Photogrammetry, 1979-2007
David Kao, Dean and Professor Emeritus, Water Resources, 1988-1999
F. Wayne Klaiber, Emeritus Distinguished Professor, Structural engineering, 1968-2007
Dah-Yinn Lee, Professor Emeritus, Geotechnical engineering, 1965-1998
Robert Lohnes, University Professor, Geotechnical engineering, 1965-2002
Lane H. Mashaw, Professor Emeritus, Freshman engineering, Civil engineering, 1974-1987
Cletus R. Mercier, P.E., Associate Professor Emeritus, Civil engineering, 1968-1999
Jack L. Mickle, Professor Emeritus, Geotechnical engineering, 1960-1992
Richard Montag, Associate Professor, Surveying, 1961-1988
Paul E. Morgan, Professor Emeritus, Associate Dean of Engineering, Sanitary engineering, 1953-1987
Larry L. Northup, Professor, Aerospace/mechanical engineering, 1963-2003
Charles S. Oulman, P.E., Professor, Sanitary engineering, 1956-1999
John M. Pitt, P.E., Associate Professor, Geotechnical engineering, 1978-2004
Wallace W. Sanders, Professor Emeritus, Structural engineering, 1964-1998
John B. Sheeler, Associate Professor Emeritus, Geotechnical engineering, 1951-1988
Donald Wall, PE, LS, Adjunct Assistant Professor, Surveying/engineering extension, 1981-1999
Ira Ward, Associate Professor Emeritus, Construction engineering, 1970-1986

SUPPORT STAFF

PROFESSIONAL & SCIENTIFIC

Donald T. Davidson, Lab Mech Tech, Geotechnical teaching lab supervisor
James A. Gaunt, Adjunct Instructor/Manager, MS, Iowa State Univ., 1971, Environmental Engineering Research Lab
Heath Gieselman, Assistant Scientist III, MS, Iowa State Univ., 2007 Geotech/Materials Engineering
Stephen E. Jones, PE. (IA), Extension Civil Engineer, MS, Iowa State Univ., 1995, Environmental engineering
Josh Kiesel, Systems Support, MBA, Iowa State Univ., 2008
Minna Khounlo-Sithep, Communication Specialist III/Webmaster, MBA, Drake Univ., 2004
Christine K. Knight, Administrative Specialist III/Fiscal Officer
Donna Lutz, Assistant Scientist III, MS, Iowa State Univ., 1993, Water Resources
Kristin Mauro, Academic Advisor II, MA, Our Lady of the Lake Univ., 2001, Psychology
Theodore W. Millen, Academic Advisor II, B.S., Iowa State Univ., 1968, Electrical Engineering
Ben Noack, Assistant Scientist I, BS, Iowa State Univ., 2007, Liberal Studies
Nancy Ovale, Administrative Specialist II/Office Manager, BS, Iowa State Univ., 2004, Asst. to DEO
Katy Rice, Assistant to the Department Chair and Outreach Manager, BA, William Penn Univ., 2004
David G. Schoeller, Assistant Scientist II, BS, Iowa State Univ., 1985, Environmental Engineering
Christopher Steffen, Research Associate I, BS, Iowa State Univ., 2006 (resigned in Dec. 2009)
Douglas L. Wood, Manager, MS, Iowa State Univ., 1990, Instruction Laboratory

SECRETARIAL/Clerical

Marva Banks, Secretary II, Department Chair/Main Office
Linda Claussen, Secretary II, Environmental, Geotechnical/Materials, Structures, Transportation
(April Frank, Secretary II, Advising Center
Judy Johnson, Account Clerk, Accounting
Kathy Petersen, Secretary II, Graduate Program
Kathy Sturtevant, Secretary II, Construction (replaced in Jan. 2010)
Denise Wood, Secretary II, Construction
ADVISORY COUNCILS

CIVIL ENGINEERING ADVISORY COUNCIL

Tamara (Tammy) Nicholson, P.E. (CHAIR), Director, Office of Rail Transportation, Iowa Department of Transportation.
William C. Anderson, P.E., Executive Director, CESB
Jolee Belzung, P.E., Director of Municipal Utilities, City of Ankeny
Robert A. Crandall, P.E., Black & Veatch Corporation
Craig K. Denny, Ph.D., P.E., Senior Principal Engineer, Terracon Consultants, Inc.
David Fox, Fox Engineering Associates
Dwayne C. Garber, P.E., L.S., Iowa Transportation Museum
Paul Giroux, Sr. Project Engineer, Kiewit Pacific Co.
Mike Helms, Stanley Consultants, Inc.
Keri Hornbuckle, University of Iowa
Les Kempers, P.E., Vice President-Marketing & Sales, Rocky Mountain Prestress
Sandra Q. Larson, P.E., Iowa Department of Transportation, Research and Technology Bureau Director, Highway Division
Jack F. McGuire, Director, Structures Eng. & Technology Development (retired), Boeing Commercial Airplanes
Kim I. McKeown, P.E., President, HGM Associates Inc
Shashi Nambisan, Professor, InTrans, Iowa State University
Matt Streeter, P.E., President, MD Streeter & Associates
Rick Tollakson, President, Hubbell Realty
Mike Vander Vort, P.E., M.ASCE, Calhoun-Burns and Assoc. Inc.
Denton ‘Red’ Voss, P.E., Chief Engineer Water Sector, Black & Veatch Corporation
Scott Werner, P.E., EFCO Corporation
Jim Alleman (Ex-officio), Professor and Chair, CCEE, Iowa State University

CONSTRUCTION ENGINEERING ADVISORY COUNCIL

Larry Hopp, (CHAIR), Vice President/Area Manager, Kiewit Construction Company
John Adam, Interim Director, Highway Division, Iowa Department of Transportation
Dan Biere, HNTB Corp.
Ken Bonus, West Des Moines, IA
Steve Daxon, Vice President, Estes Construction
Beth Duyvejonck, Opus Northwest
Mike Espeset, President, Story Construction Company
Paul Francois, Pepper Construction Co. of Ohio
Michael Gawley, President, Oakview Construction Company
Mark Guetzko, President, Seedorff Masonry, Inc.
Paul Higgins, Managing Director, The Beck Group
Stephen Jackson, President, Cedar Valley Corporation
Colleen Ladd, Project Manager, Flannery Construction
Chris Lindhart, Director of Integrated Services, The Beck Group
Dean McCormick, Director for Design and Construction Services, Facilities Planning and Management, Iowa State University
Mark McDermott, Project Manager, Black & Veatch
T.J. Meiners, Electrical Engineer/Project Manager, Nelson Electric Company
Kent Meyn, Director of Project Management, ACI Mechanical, Inc.
Dave Miller, Senior Vice President, The Waldinger Corporation
Skip Perley, CEO, TEC-CORP
Cork Peterson, Vice President, Peterson Contractors, Inc.
Gene Postma, President and CEO, Western States Fire Protection Co.
Dr. Fred Rahbar, Project Management, Saudi Arabian Oil Company (Saudi Aramco)
Dirk D. Schafer, Executive Vice President, J.E. Dunn Construction Company
Jeff Smith (alternate), Opus Northwest
Ken Sorensen, Vice President, General Manager, Minneapolis Office, M. A. Mortenson Company
Brian Wessels, Project Manager/Estimator, Greiner Construction Co. Bldg. Division
2009 GRADUATE STUDENTS GRADUATED

SPRING 2009 GRADUATES

- Manop Kaewmoracharoen, PhD; Major Professor: Strong; Division: Construction
- Jonathan Waugh, PhD; Major Professor: Sritharan; Division: Structures
- Matthew Becker, MS; Major Professors: Wipf and Phares; Division: Structures
- Ryan Bowers, MS; Major Professor: Wipf; Division: Structures
- Mark Currie, MS; Major Professor: Rouse; Division: Structures
- Matthew Mason, MS; Major Professor: Williams; Division: Geo/Materials
- Cory McDermott, MS; Major Professor: Jaselskis; Division: Construction
- Abhisek Mudgal, MS; Major Professors: Hallmark/Gkritza; Division: Transportation
- Vernon Wineland, MS; Major Professor: Klaiber; Division: Structures

SUMMER 2009 GRADUATES

- Chu-Lin Cheng, PhD; Major Professor: Ong; Division: Environmental Sciences
- Thanapong (Jack) Duangmanee, PhD; Major Professor: Sung; Division: Environmental
- Daniel Enz, PhD; Major Professor: Strong; Division: Geo/Materials
- Tarek Mahfouz, PhD; Major Professor: Kandil; Division: Construction
- Aaron Bmcich, MS; Major Professors: Shane/Strong; Division: Construction
- Mehmet Capetu, MS; Major Professor: Souleyrette; Division: Transportation
- Joshua Hochstein, MS; Major Professors: Maze/Souleyrette; Division: Transportation
- Greg Karssen, MS; Major Professor: Souleyrette; Division: Transportation
- Chayanon Sawatdeenarunat, MS; Major Professor: Ellis; Division: Environmental

FALL 2009 GRADUATES

- Sriram Reddy Aaleti, PhD; Major Professor: Sritharan; Division: Structures
- Tamer Breakah, PhD; Major Professor: Williams; Division: Geo/Materials
- I-Hsuan Ho, PhD; Major Professor: Schaefter; Division: Geo/Materials
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- Danielle Wain, PhD; Major Professor: Rehmann; Division: Environmental
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- Adam Faris, MS; Major Professor: Klaiber; Division: Structures
- Daniel Fleege, MS; Major Professor: Ong; Division: Environmental
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